

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 03/06093

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08L23/10 B29C45/00 //(C08L23/10,23:08)

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08L B29C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|------------|---|-----------------------|
| X          | US 5 541 260 A (PELLICONI ANTEO ET AL)<br>30 July 1996 (1996-07-30)   | 1,3-9                 |
| Y          | abstract<br>column 1, line 5 -column 3, line 40;<br>examples; tables 2-4<br>---   | 1-9                   |
| Y          | US 4 734 459 A (CECCHIN GIULIANO ET AL)<br>29 March 1988 (1988-03-29)<br>cited in the application<br>abstract<br>column 1, line 6 -column 2, line 46;<br>tables I-II<br>---<br>-/-- | 1-9                   |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

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- \*O\* document referring to an oral disclosure, use, exhibition or other means
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- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|------------|---|-----------------------|
| Y          | <p>EP 0 936 248 A (TOYOTA MOTOR CO LTD ;GRAND<br/>POLYMER CO LTD (JP))<br/>18 August 1999 (1999-08-18)<br/>abstract<br/>page 1, line 5 -page 2, line 19<br/>page 2, line 50 - line 55<br/>examples; tables 1-8<br/>page 8, line 24 - line 41<br/>----</p> | 1-9                   |
| A          | <p>WO 01 19915 A (FERRARI PAOLO ;PELLICONI<br/>ANTEO (IT); SGARZI PAOLA (IT); CECCHIN GI)<br/>22 March 2001 (2001-03-22)<br/>cited in the application<br/>abstract<br/>column 1, line 9 -column 3, line 52;<br/>examples; tables 1,2<br/>-----</p>        | 1-9                   |

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/06093

| Patent document<br>cited in search report |   | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|---|---|---------------------|----------------------------|---------------------|
| US 5541260                                | A | 30-07-1996          | IT 1256663 B               | 12-12-1995          |
|   |   |                     | AT 140947 T                | 15-08-1996          |
|   |   |                     | AU 667410 B2               | 21-03-1996          |
|   |   |                     | AU 5236493 A               | 30-06-1994          |
|   |   |                     | DE 69303881 D1             | 05-09-1996          |
|   |   |                     | DE 69303881 T2             | 16-01-1997          |
|   |   |                     | EP 0603723 A1              | 29-06-1994          |
|   |   |                     | ES 2090829 T3              | 16-10-1996          |
|   |   |                     | JP 7003087 A               | 06-01-1995          |
|   |   |                     | MX 9307889 A1              | 29-07-1994          |
| US 4734459                                | A | 29-03-1988          | IT 1206128 B               | 14-04-1989          |
|   |   |                     | AT 46353 T                 | 15-09-1989          |
|   |   |                     | AU 582175 B2               | 16-03-1989          |
|   |   |                     | AU 4555885 A               | 06-02-1986          |
|   |   |                     | CA 1276350 C               | 13-11-1990          |
|   |   |                     | DE 3572989 D1              | 19-10-1989          |
|   |   |                     | EP 0170255 A1              | 05-02-1986          |
|   |   |                     | ES 8700294 A1              | 01-01-1987          |
|   |   |                     | JP 7042366 B               | 10-05-1995          |
|   |   |                     | JP 61042553 A              | 01-03-1986          |
| EP 0936248                                | A | 18-08-1999          | NO 852996 A , B,           | 31-01-1986          |
|   |   |                     | JP 11228782 A              | 24-08-1999          |
|   |   |                     | AU 745801 B2               | 11-04-2002          |
|   |   |                     | AU 1643799 A               | 02-09-1999          |
|   |   |                     | DE 69906845 D1             | 22-05-2003          |
|   |   |                     | EP 0936248 A1              | 18-08-1999          |
| WO 0119915                                | A | 22-03-2001          | US 6121363 A               | 19-09-2000          |
|   |   |                     | AU 7517000 A               | 17-04-2001          |
|   |   |                     | BR 0007075 A               | 10-07-2001          |
|   |   |                     | CA 2349297 A1              | 22-03-2001          |
|   |   |                     | CN 1321178 T               | 07-11-2001          |
|   |   |                     | CZ 20012131 A3             | 13-03-2002          |
|   |   |                     | WO 0119915 A1              | 22-03-2001          |
|   |   |                     | EP 1135440 A1              | 26-09-2001          |
|   |   |                     | HU 0104592 A2              | 28-03-2002          |
|   |   |                     | JP 2003509562 T            | 11-03-2003          |
|   |   |                     | NO 20012326 A              | 11-05-2001          |
|   |   |                     | PL 347656 A1               | 22-04-2002          |
|   |   |                     | TR 200101320 T1            | 21-12-2001          |
|   |   |                     | US 6441094 B1              | 27-08-2002          |